

CLAIMS

What is claimed is:

1. A system for event notification, comprising:

a first node comprising:

5 a first node event generator for detecting a situation of interest on the first node, and generating an event when a situation of interest is detected, and transmitting the event;

 a first node event forwarder, the first node event forwarder receiving the transmitted event from the first node event generator, the first event
10 forwarder transmitting the event;

 an event buffer comprising a first list of significant events, the event buffer receiving the event transmitted from the first node event forwarder; and

 an event monitor comprising a node status display, the event monitor
15 polling the event buffer for an event, wherein the node status display is updated when the event monitor receives an event.

2. The system for event notification of Claim 1 wherein the event buffer comprises a database for storing received events.

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3. The system for event notification of Claim 2 wherein the database is pruned.

4. The system for event notification of Claim 3 wherein the pruning is carried out at timed intervals.

5. The system for event notification of Claim 4 wherein the pruning is
5 carried out at said time intervals of between 2 and 120 seconds.

6. The system for event notification of Claim 1 further comprising:

a second node comprising

a second node event generator for detecting a situation of
10 interest on the second node, generating an event when a situation of interest is detected, and transmitting the event;

a second node event forwarder, the second node event forwarder receiving the transmitted event from the second node event generator, the second node event forwarder transmitting the event to the event buffer.

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7. The system for event notification of Claim 6 wherein the event buffer comprises a database for storing received events.

8. The system for event notification of Claim 7 wherein the database is
20 pruned.

9. The system for event notification of Claim 8 wherein the pruning is carried out at timed intervals.

10. The system for event notification of Claim 9 wherein the pruning is carried out at said time intervals of between 2 and 120 seconds.

11. The system for event notification of Claim 6 wherein the second node
5 further comprises a second event buffer, wherein the second event buffer receives events transmitted from at least one of the first node event forwarder and the second node event forwarder.

12. The system for event notification of Claim 11 wherein the second event
10 buffer comprises a second list of significant events.

13. The system for event notification of Claim 1 wherein the node status display comprises a graphic display.

15 14. The system for event notification of Claim 13 wherein the graphic display is a stand-alone application.

15 15. The system for event notification of Claim 14 wherein the graphic display is a web page.
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16. The system for event notification of Claim 15 wherein the web page comprises plug-ins.

17. The system for event notification of Claim 13 wherein the graphic display is an application integrated with at least one of the event monitor, and the event buffer.

5 18. A network for event notification, comprising:
an event forwarding mechanism in each node for forwarding detected events to each other node;
an event buffer of said cluster to receive and store each event forwarded from a node from an event forwarding mechanism; and
10 a remote event monitor for periodically polling said event buffer for changes in pertinent events and for triggering a display update to display refreshed event information.

19. The network of Claim 18 further comprising:
15 an event generation mechanism in each node to generate an event when something of interest occurs within said cluster.

20. The network of Claim 18 wherein said event information is displayed within a web page.

20 21. The network of Claim 18 wherein said event buffer further comprises:
a database for storing events received from said event forwarding mechanisms; and

an evictor for periodically removing events from said database.

22. The network of Claim 18 wherein said event monitor resides within a browser system.

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23. The network of Claim 18 wherein said event buffer is located on at least one node in a cluster.

24. The network of Claim 18 wherein said event monitor is a Java applet
10 operating on a computing system remote from said cluster.

25. The network of Claim 20 wherein said web page registers pertinent events with said event monitor.

15 26. The network of Claim 18 wherein said display update comprises a frame of a displayed web page.

27. An event notification method comprising:
detecting an event within a node of a cluster of nodes;
20 forwarding said event to other nodes of said cluster;
storing said event within an event buffer;
monitoring said event buffer periodically for pertinent events and in
response to a recent pertinent event being detected within said event buffer;

triggering a display update on an event information display to display information regarding said recent pertinent event.

28. A method as described in Claim 27 wherein said detecting is performed by
5 a respective event generation mechanism situated in each node of said cluster.

29. A method as described in Claim 28 wherein said forwarding is performed by a respective event forwarding mechanism situated in each node of said cluster.

10 30. A method as described in Claim 29 wherein said event buffer is located within at least one node of said cluster and further comprising clearing said event buffer of events older than a predetermined threshold.

31. A method as described in Claim 27 wherein said event information
15 display is a web page generated by a browser and wherein said triggering comprises generating a frame-specific update of said web page.

32. A method as described in Claim 31 wherein said browser is situated on a remote monitoring computer system coupled to said cluster via a communication
20 channel.

33. A method as described in Claim 27 wherein said forwarding forwards said event to all other nodes of said cluster.

34. A method as described in Claim 27 wherein said event information display is a web page and wherein said pertinent events comprise events registered by said web page.

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35. A method as described in Claim 27 wherein said monitoring and said triggering are performed by a Java applet operating within a browser of a remote monitoring computer system coupled to said cluster.

10 36. A computer-usable medium having computer-readable program code embodied therein for causing a computer system to perform a method for event notification comprising:

detecting an event within a node of a cluster of nodes;

forwarding said event to other nodes of said cluster;

15 storing said event within an event buffer;

monitoring said event buffer periodically for pertinent events and in response to a recent pertinent event being detected within said event buffer, triggering a display update on an event information display to display information regarding said recent pertinent event.

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37. The computer-usable medium as described in Claim 36 wherein said detecting is performed by a respective event generation mechanism situated in each node of said cluster.

38. The computer-usable medium as described in Claim 37 wherein said forwarding is performed by a respective event forwarding mechanism situated in each node of said cluster.

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39. The computer-usable medium as described in Claim 38 wherein said event buffer is located within at least one node of said cluster and further comprising clearing said event buffer of events older than a predetermined threshold.

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40. The computer-usable medium as described in Claim 36 wherein said event information display is a web page generated by a browser and wherein said triggering comprises generating a frame-specific update of said web page.

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41. The computer-usable medium as described in Claim 40 wherein said browser is situated on a remote monitoring computer system coupled to said cluster via a communication channel.

42. The computer-usable medium as described in Claim 36 wherein said
20 forwarding forwards said event to all other nodes of said cluster.

43. The computer-usable medium as described in Claim 36 wherein said event information display is a web page and wherein said pertinent events comprise events registered by said web page.

5 44. The computer-usable medium as described in Claim 36 wherein said monitoring and said triggering are performed by a Java applet operating within a browser of a remote monitoring computer system coupled to said cluster.